

House as a System

HOME BUILDING SOLUTIONS WORKSHOP

An in-depth course on the principles of building science and the details of best practices in energy efficient and healthy construction.

When: November 9, 2006 8:00am-4:00pm

Where: Central Library, Downtown Seattle 1000 4th Ave. 98104

Concerns over energy costs are at an all-time high. Moisture-related building issues plague the building industry. And the US EPA lists poor indoor air quality as one of the top five public health threats. Careful design and construction and an understanding of basic building science concepts helps avoid these issues. In this workshop, you'll learn:

- Basic principles of moisture and heat transfer in buildings; concepts of air movement and vapor pressure in houses; applying these principles in practice to avoid moisture and air infiltration and water management problems
- Insulation types and details in walls, ceilings, roofs and floors
- Materials, bulk water control, and preventing moisture and mold problems for a durable building
- Windows & doors: types, insulation values & coatings
- Air tightness, ventilation & heat recovery systems; the interaction of efficiency with indoor air quality & air sealing details
- Heating and distribution systems; the effect of duct leakage & pressure imbalance on comfort, efficiency, & indoor air quality
- Calculating cost savings and return on investment with the ENERGY STAR Homes calculator

Instructor Dan Cote is the Northwest ENERGY STAR Homes Program Manager and a Building Science Specialist with extensive experience in building technologies and residential construction. Cote works directly with builders and developers to facilitate the adoption of Northwest ENERGY STAR Homes standards, from design and specification consulting to in-field training and inspections.

Cost: \$45 for ENERGY STAR Homes Northwest, Built Green and Cascadia Region Green Building Council members.

\$65 for non-members.

Registration/continental breakfast @ 7:30am. Lunch included.

Seating is limited and advanced registration is required. Contact Thor Peterson, Seattle Dept. of Planning & Development: (206) 615-0731 or thor.peterson@seattle.gov



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